

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
 Data File : BF115531.D
 Acq On : 12 Jul 2019 17:30
 Operator : HP/JU
 Sample : K3626-05 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071119-A

Manual Integrations
 APPROVED

mohammad
 7/15/2019 2:57:28 PM

Quant Time: Jul 13 01:22:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	157992	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	591128	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	255048	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	396534	20.00	ng	0.00
76) Chrysene-d12	14.04	240	308953	20.00	ng	0.00
87) Perylene-d12	15.52	264	367169	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	459933	47.62	ng	0.00
7) Phenol-d6	6.50	99	583654	47.62	ng	-0.01
23) Nitrobenzene-d5	7.44	82	348679	34.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	114136	38.34	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	647571	44.44	ng	-0.01
79) Terphenyl-d14	12.99	244	524383	31.32	ng	-0.01

Target Compounds					Qvalue	
31) Naphthalene	8.19	128	343707	12.006	ng	96
37) 2-Methylnaphthalene	8.88	142	151771	7.998	ng	97
38) 1-Methylnaphthalene	8.97	142	140998	7.822	ng	99
46) 1,1'-Biphenyl	9.34	154	42201	2.116	ng	94
49) Acenaphthylene	9.78	152	109348	4.445	ng	95
50) Dimethylphthalate	9.63	163	72583	3.783	ng	99
52) Acenaphthene	9.95	154	162509	10.232	ng	97
55) Dibenzofuran	10.12	168	298220	13.222	ng	98
58) Fluorene	10.47	166	328627	20.381	ng	98
71) Phenanthrene	11.44	178	2362539	116.233	ng	99
72) Anthracene	11.49	178	701802	33.409	ng	98
73) Carbazole	11.63	167	287586	15.612	ng	97
75) Fluoranthene	12.63	202	1909081	88.881	ng	98
78) Pyrene	12.86	202	1728364	66.029	ng	98
81) Benzo(a)anthracene	14.04	228	942385	46.300	ng	99
83) Chrysene	14.07	228	842136	41.215	ng	96
86) Indeno(1,2,3-cd)pyrene	17.00	276	325968	18.778	ng	95
88) Benzo(b)fluoranthene	15.09	252	960332m	40.619	ng	
89) Benzo(k)fluoranthene	15.12	252	308559m	14.638	ng	
90) Benzo(a)pyrene	15.46	252	663072	32.630	ng	99
91) Dibenz(a,h)anthracene	17.01	278	94918	5.321	ng	95
92) Benzo(g,h,i)perylene	17.44	276	278464	15.651	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

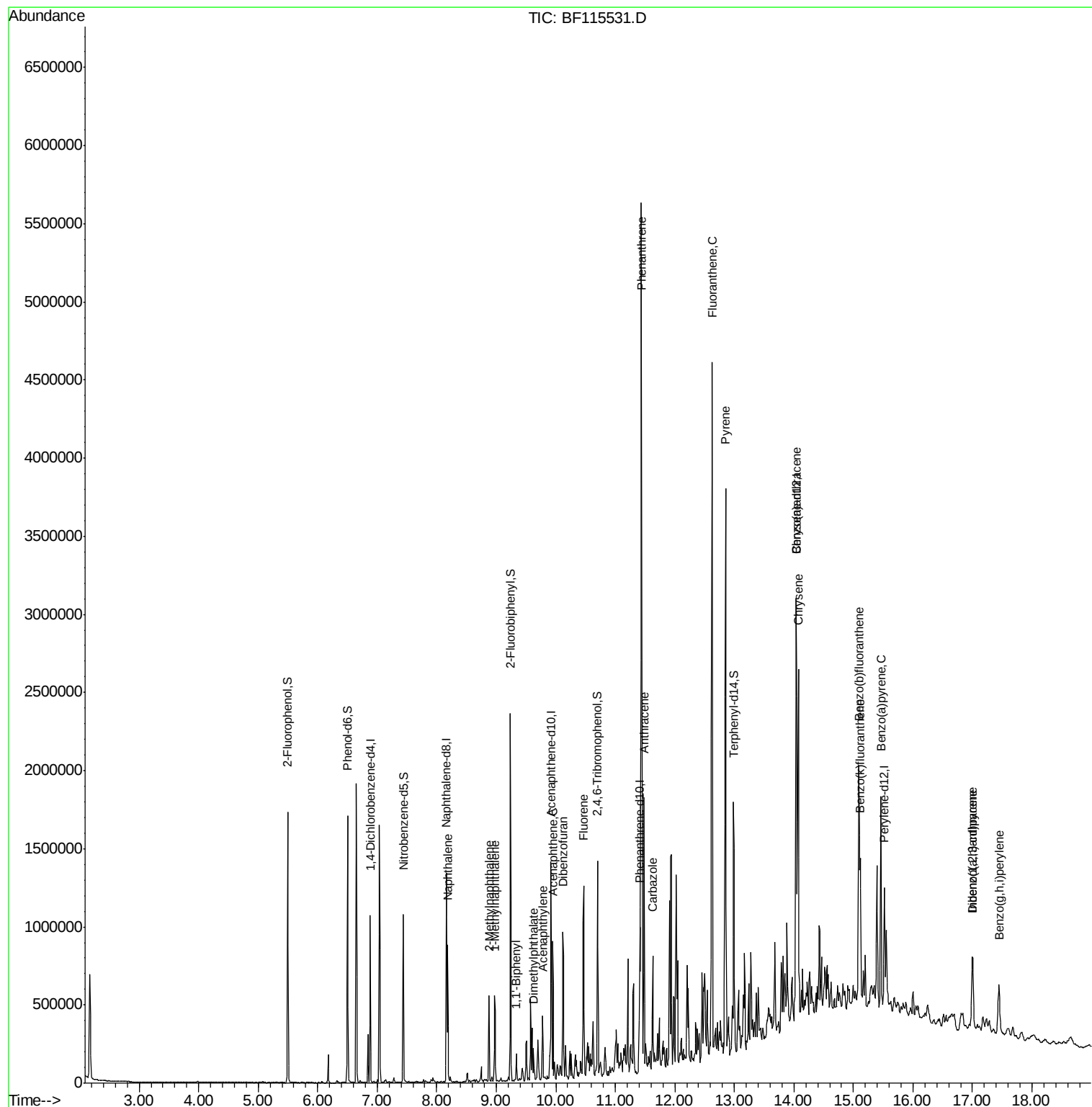
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115531.D
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Operator : HP/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

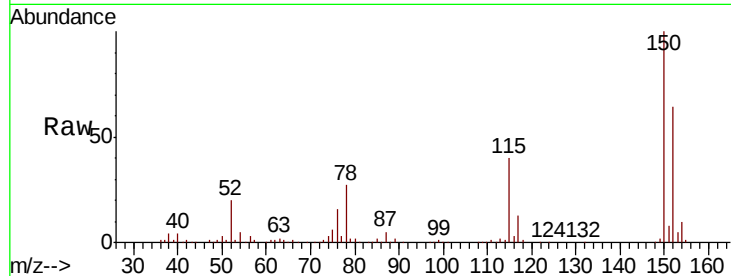
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	129.7	194.5
115	63.4	48.2	72.4

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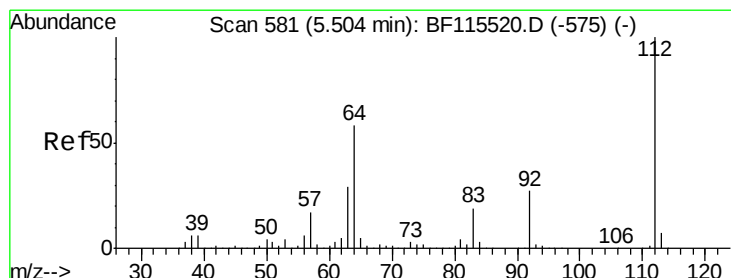
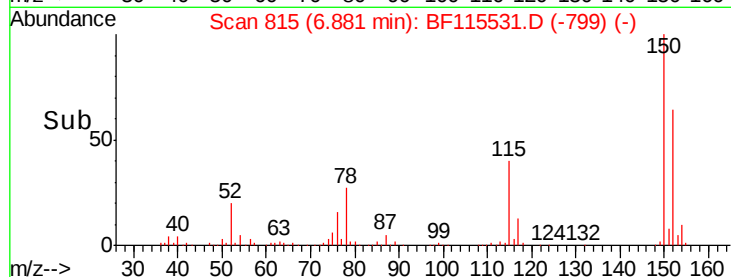
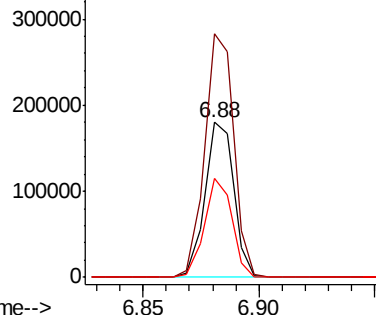


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

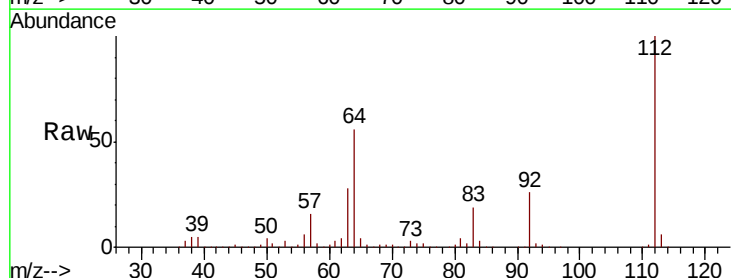
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.617 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	46.8	70.2
63	28.3	24.1	36.1

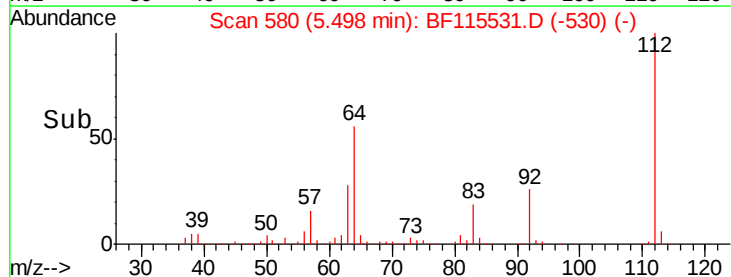
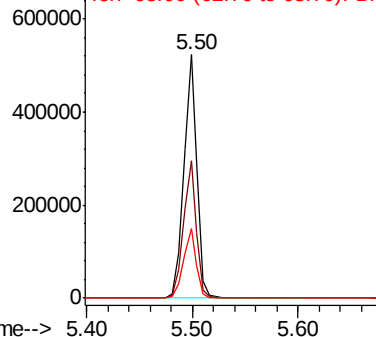


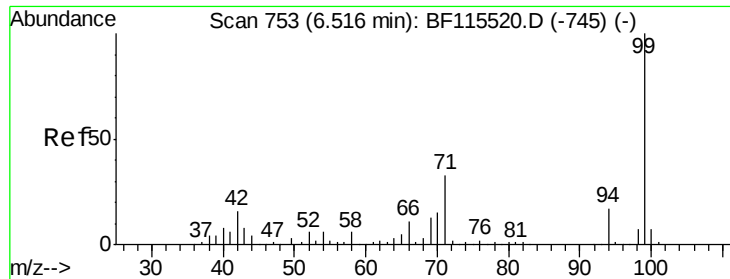
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 47.622 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

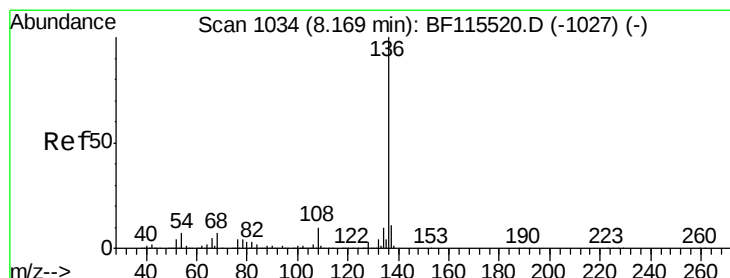
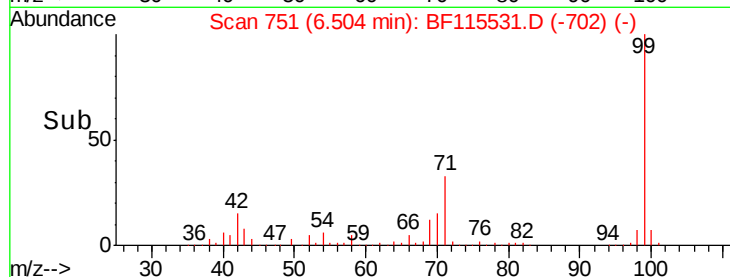
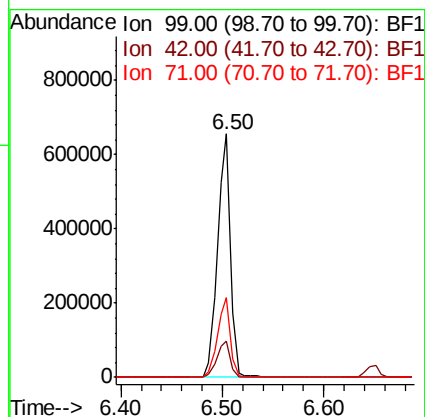
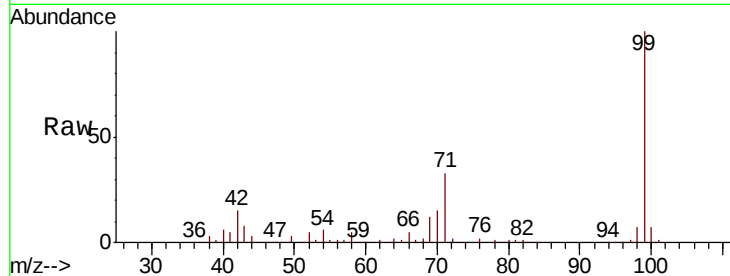
ClientSampleId :

SU-04-071119-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		583654		
42	15.0	13.6	20.4		
71	32.6	28.5	42.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

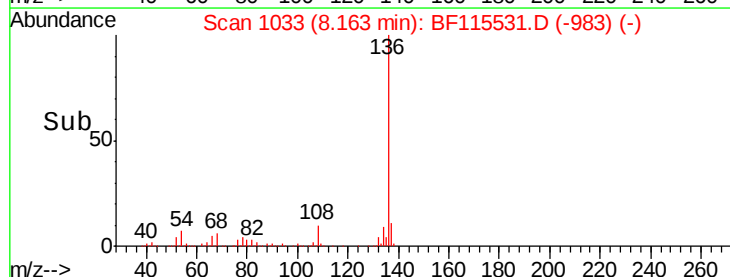
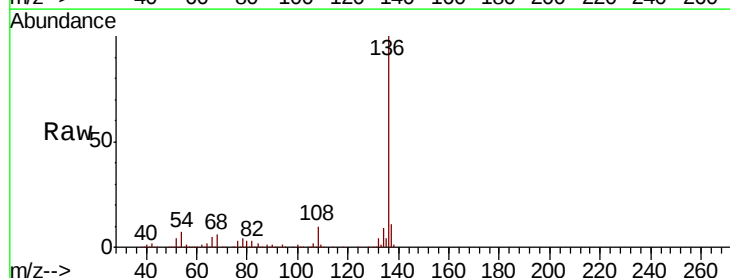
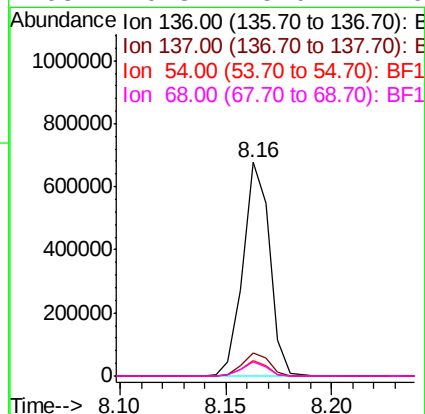
RT: 8.16 min Scan# 1033

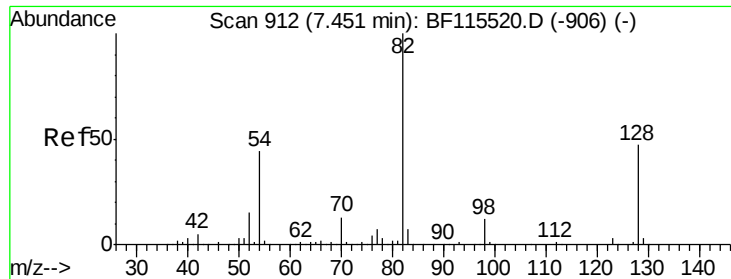
Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		591128		
137	10.9	9.0	13.4		
54	7.1	5.6	8.4		
68	6.3	5.0	7.6		





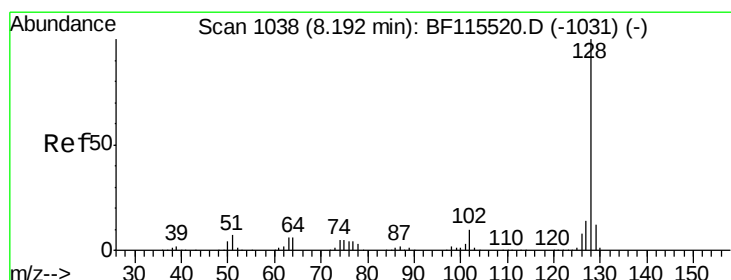
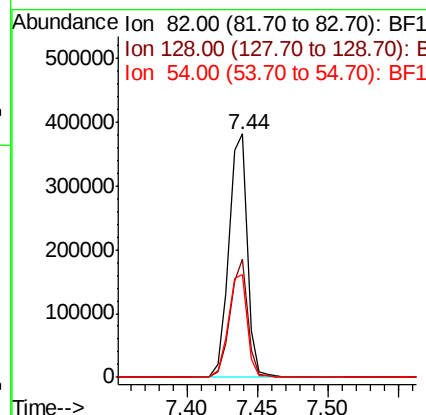
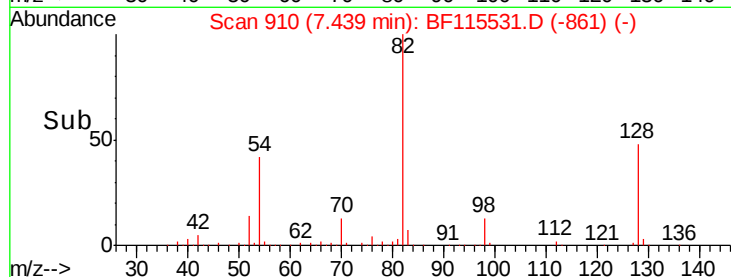
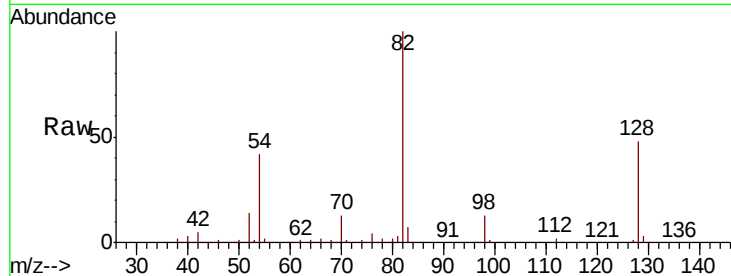
#23
Nitrobenzene-d5
Concen: 34.298 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	38.6	57.8
54	42.3	35.6	53.4

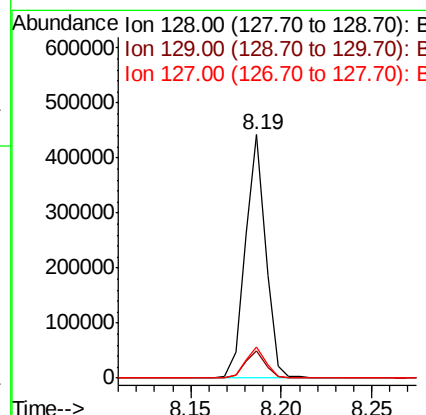
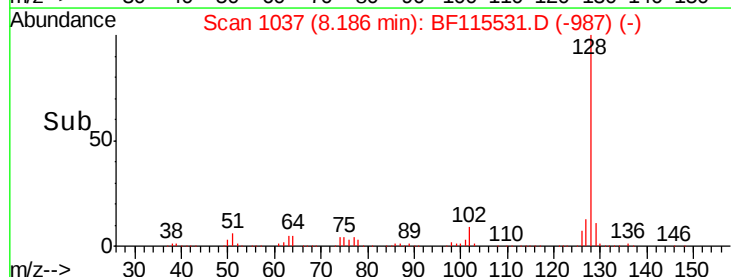
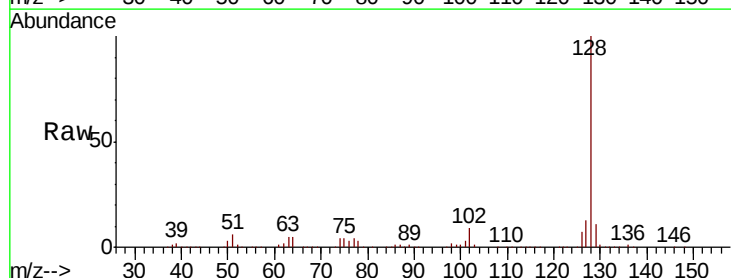
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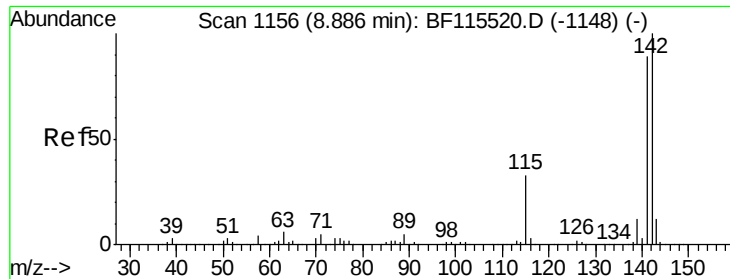
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#31
Naphthalene
Concen: 12.006 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.9	14.9
127	13.0	12.1	18.1





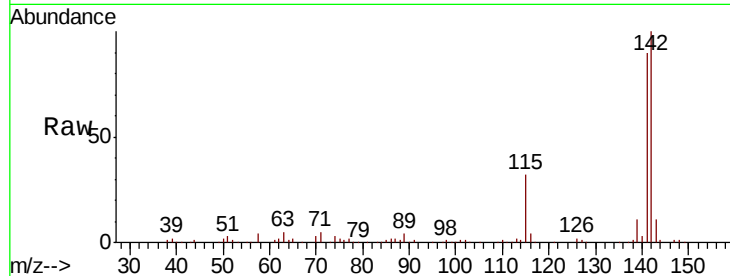
#37
2-Methylnaphthalene
Concen: 7.998 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.0	108.0
115	32.2	29.9	44.9

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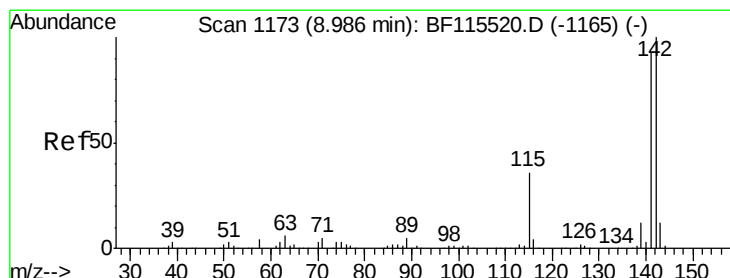
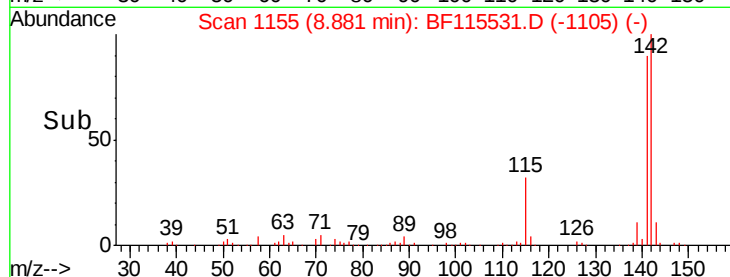
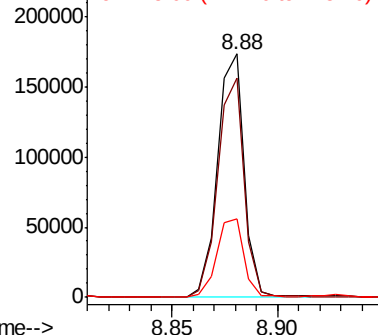


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 7.822 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

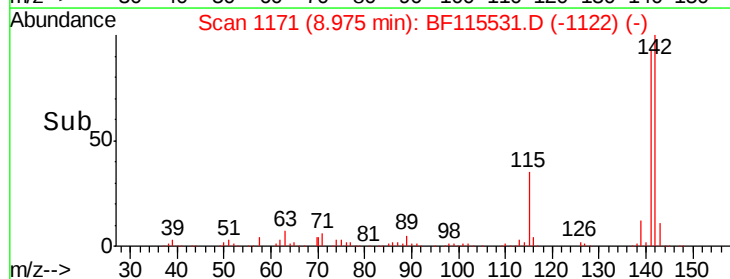
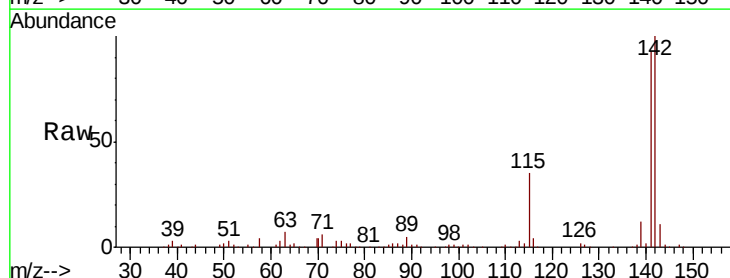
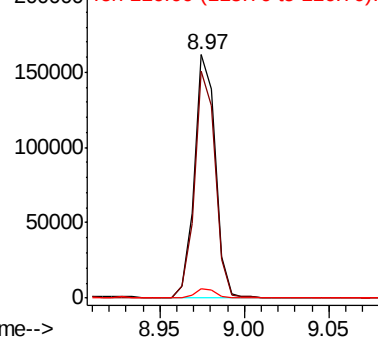
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	75.3	112.9
116	4.0	3.3	4.9

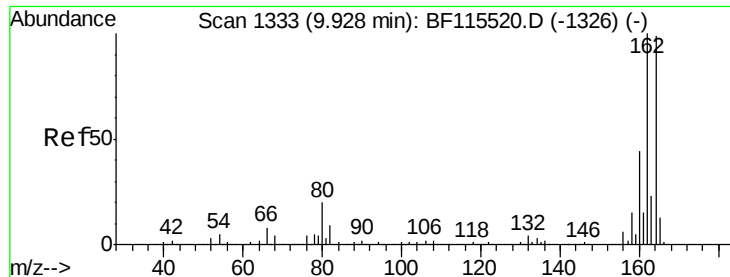
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





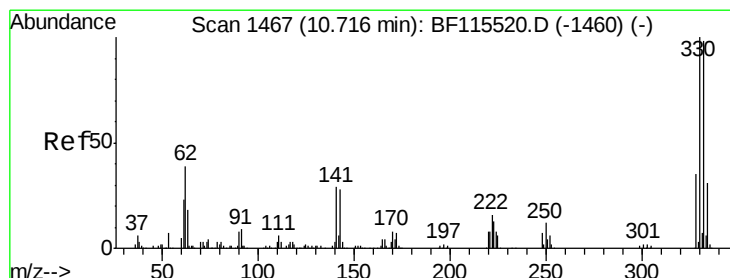
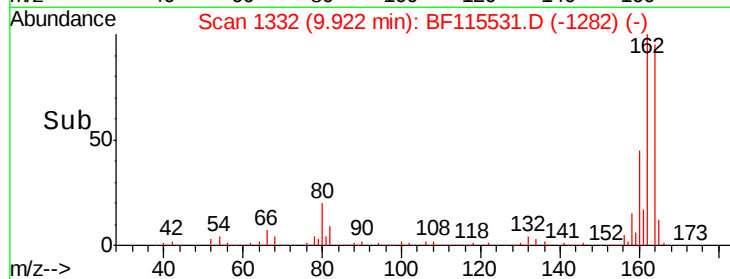
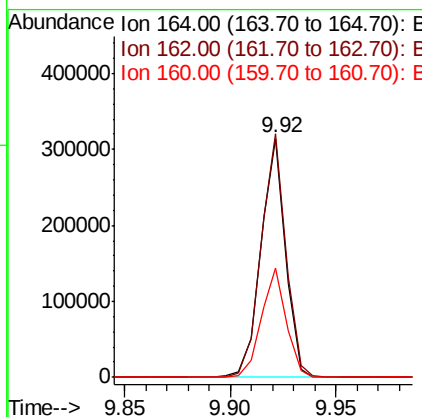
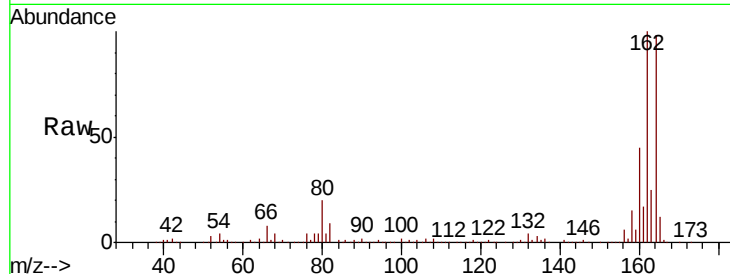
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.0	82.9	124.3	
160	45.8	36.8	55.2	

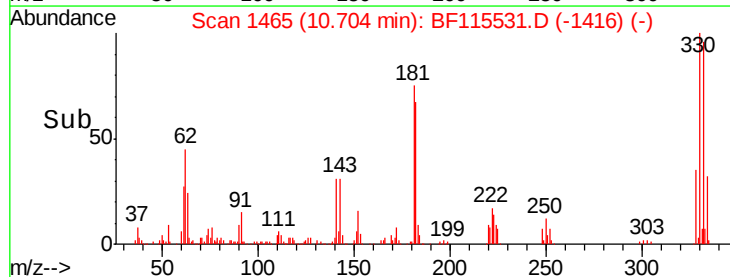
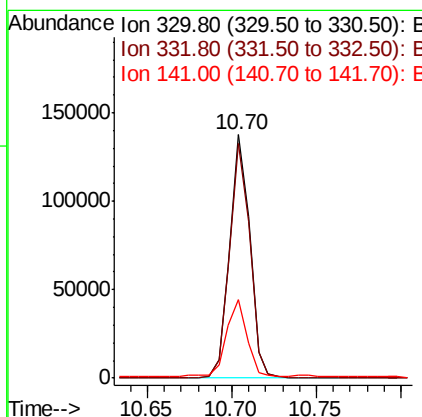
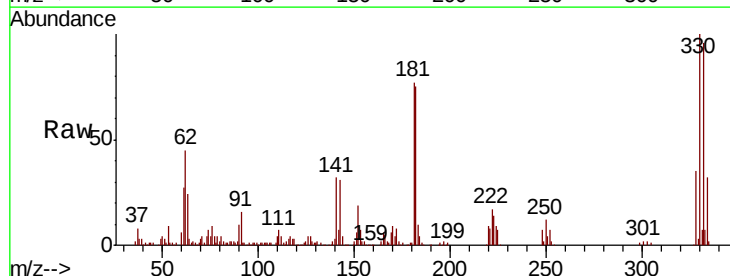
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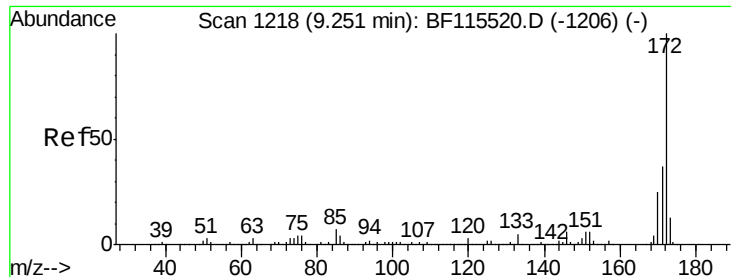
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#42
2,4,6-Tribromophenol
Concen: 38.339 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.0	77.4	116.2	
141	33.2	22.4	33.6	





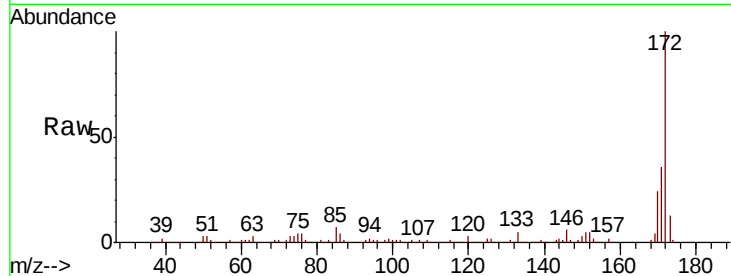
#45
2-Fluorobiphenyl
Concen: 44.440 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampled :
SU-04-071119-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.6	46.0
170	24.0	20.5	30.7

Manual Integrations
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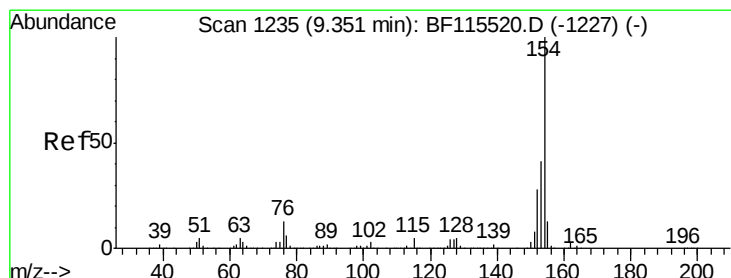
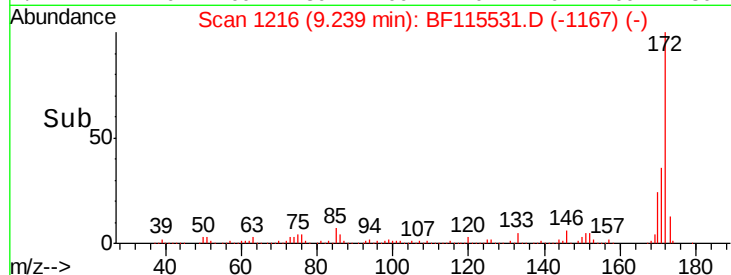
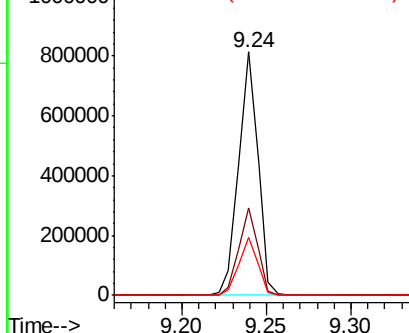


Abundance

Ion 172.00 (171.70 to 172.70): E

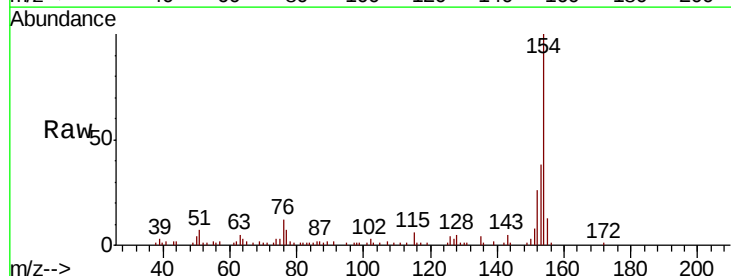
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 2.116 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.2	22.6	62.6
76	11.7	0.0	33.4

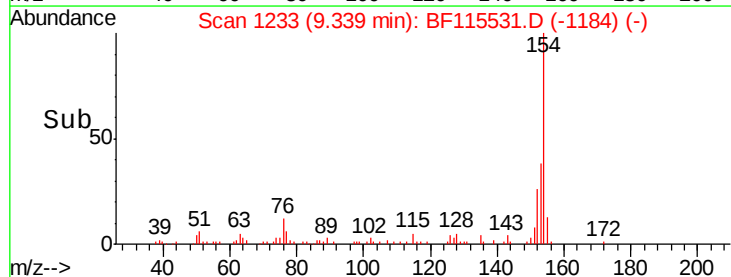
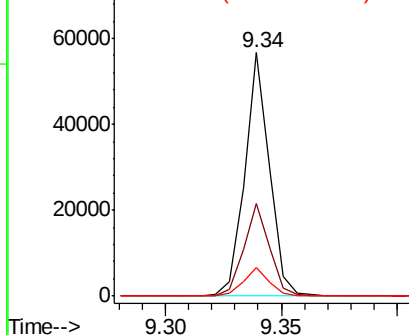


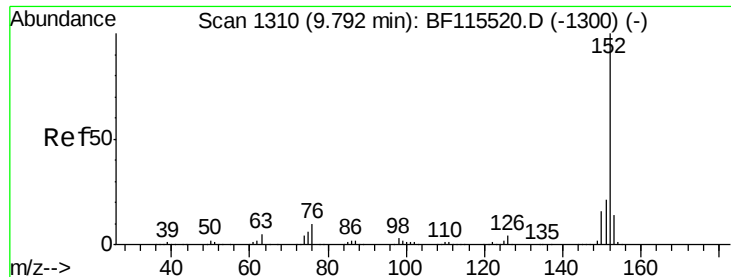
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





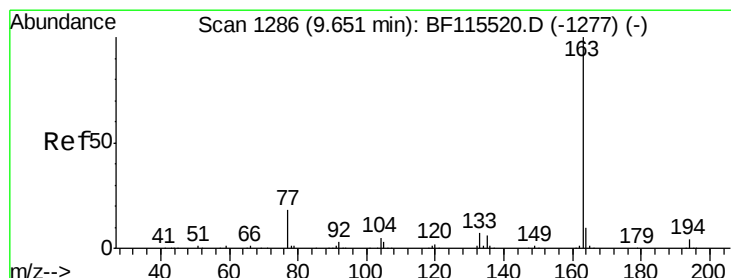
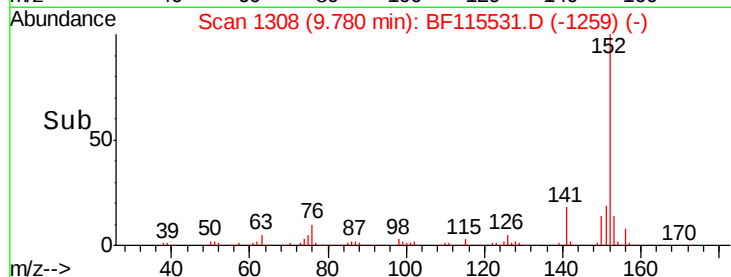
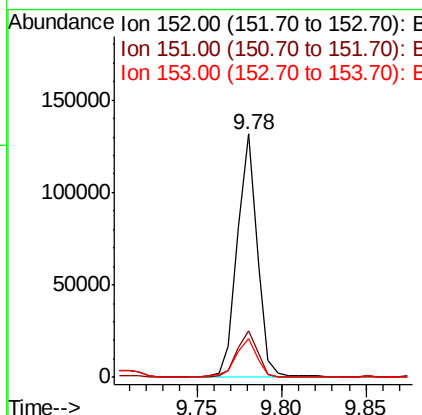
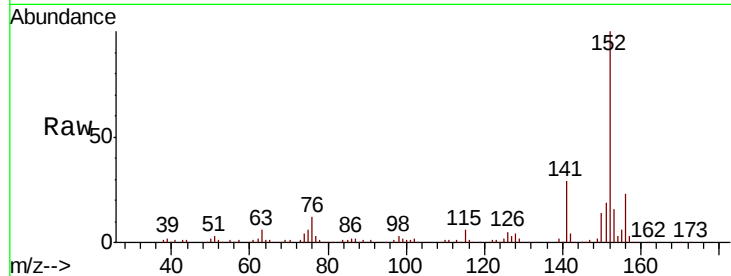
#49
Acenaphthylene
Concen: 4.445 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-A

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	17.7	26.5
153	15.9	12.0	18.0

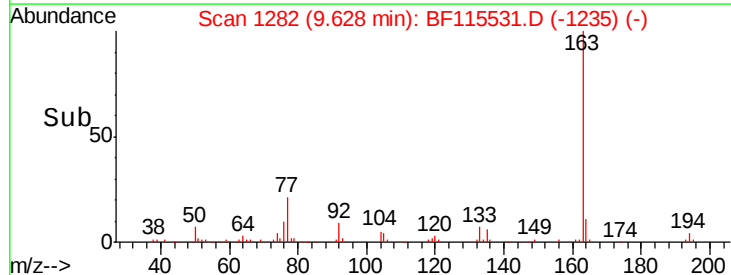
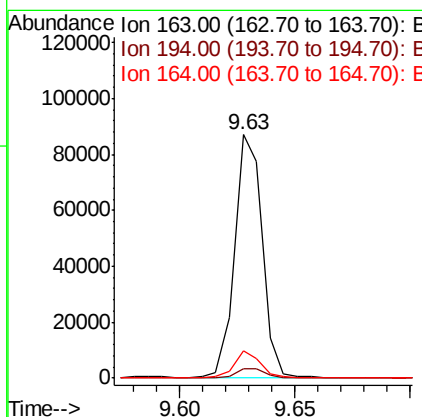
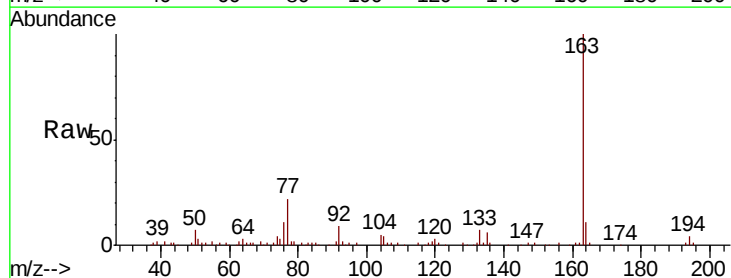
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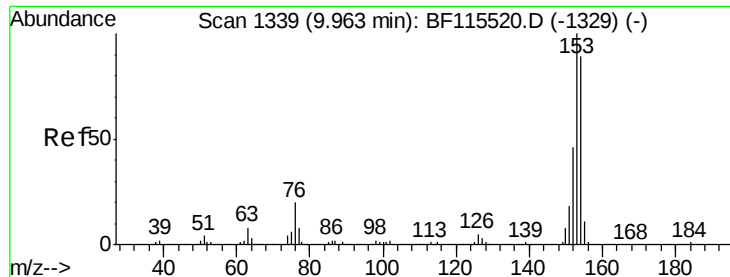
mohammad
7/15/2019 2:57:28 PM



#50
Dimethylphthalate
Concen: 3.783 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	11.4	8.7	13.1





#52

Acenaphthene

Concen: 10.232 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

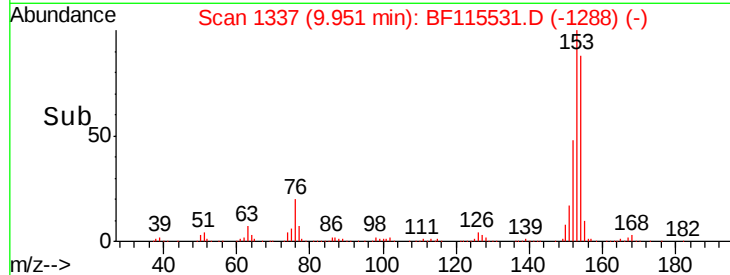
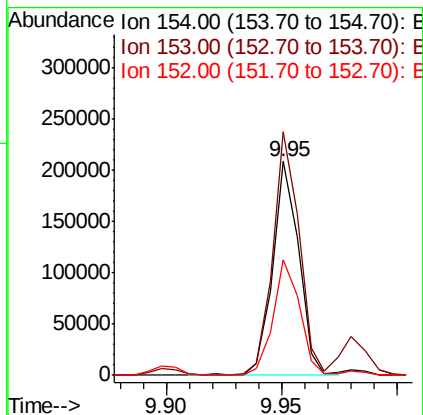
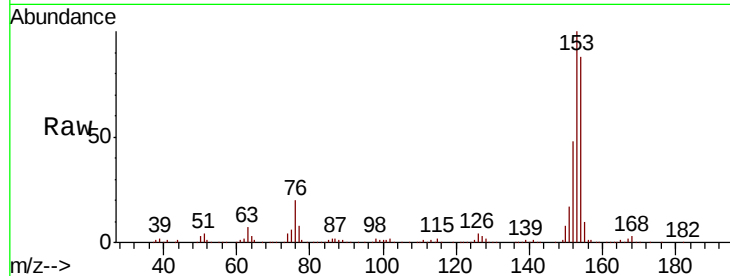
ClientSampleId :

SU-04-071119-A

Tot Ion:	154	Resp:	162509
Ion Ratio	Lower	Upper	
154	100		
153	113.8	88.6	133.0
152	54.2	42.3	63.5

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#55

Dibenzofuran

Concen: 13.222 ng

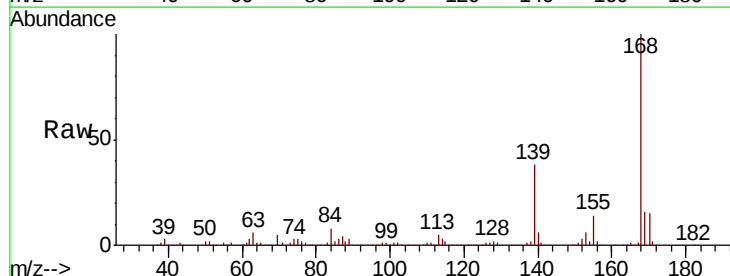
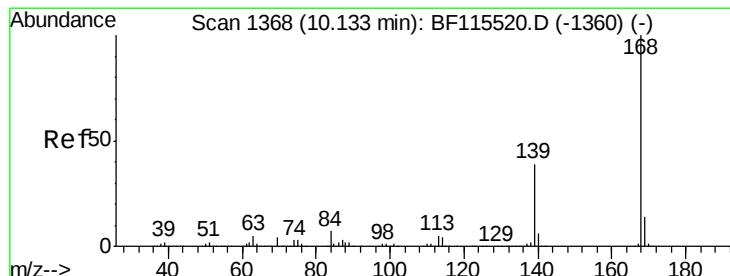
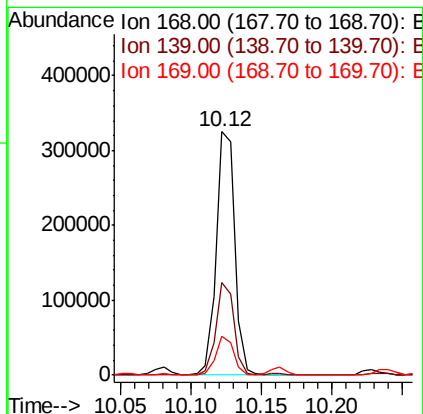
RT: 10.12 min Scan# 1366

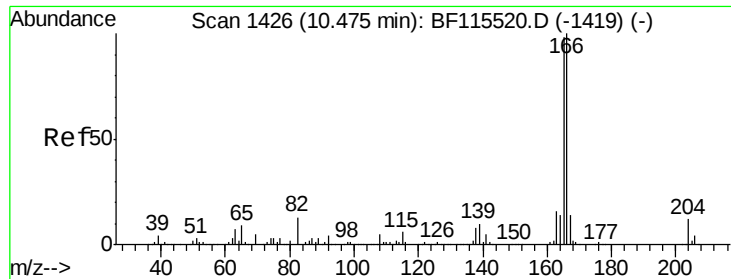
Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Tgt Ion:	168	Resp:	298220
Ion Ratio	Lower	Upper	
168	100		
139	37.9	31.1	46.7
169	15.8	11.1	16.7





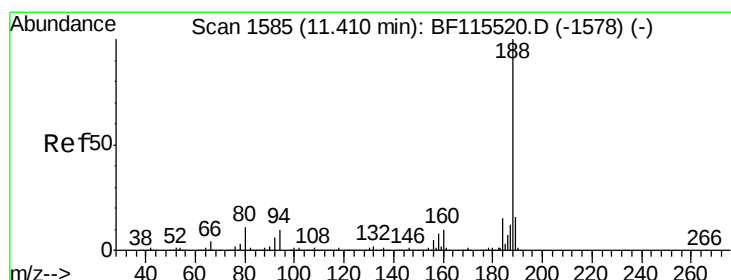
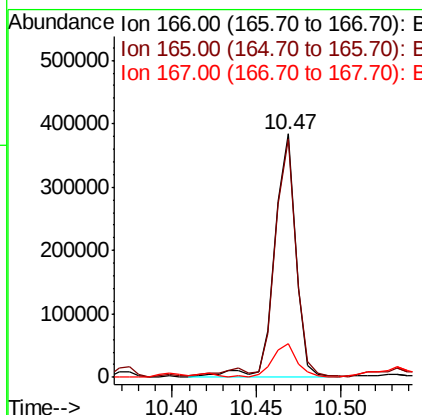
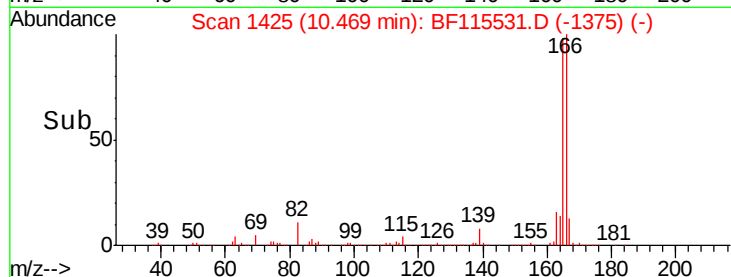
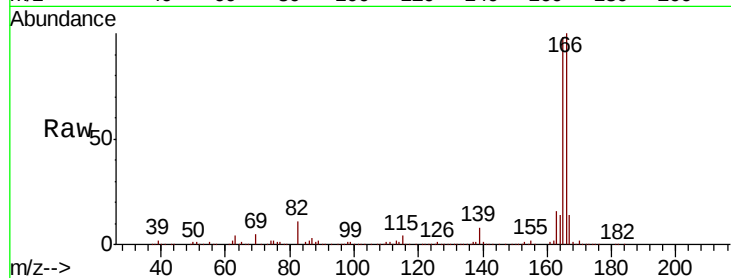
#58
 Fluorene
 Concen: 20.381 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF115531.D
 Acq: 12 Jul 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071119-A

Tot Ion:	166	Resp:	328627
Ion Ratio	Lower	Upper	
166	100		
165	97.7	79.8	119.6
167	13.8	11.2	16.8

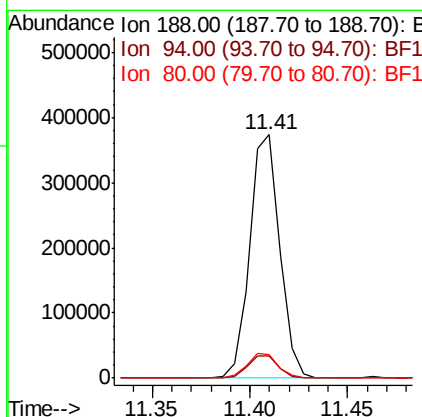
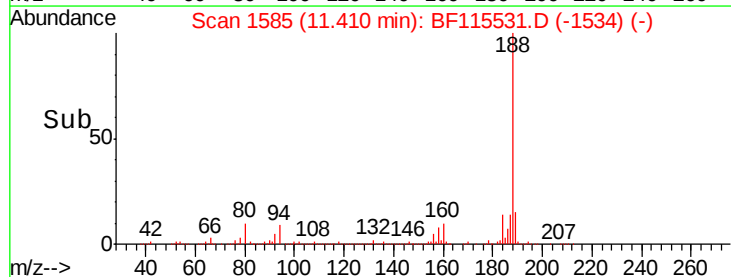
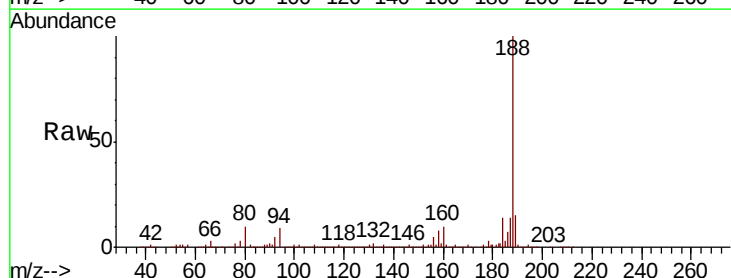
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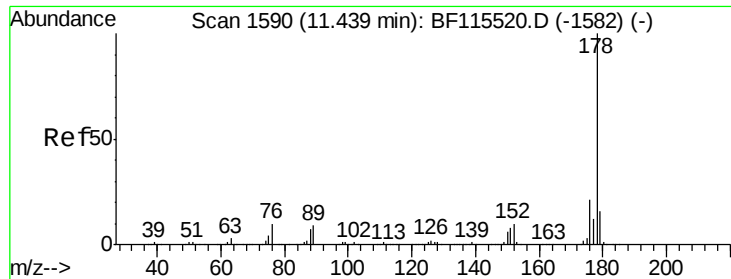
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF115531.D
 Acq: 12 Jul 2019 17:30

Tgt Ion:	188	Resp:	396534
Ion Ratio	Lower	Upper	
188	100		
94	9.1	7.8	11.6
80	9.8	8.6	13.0





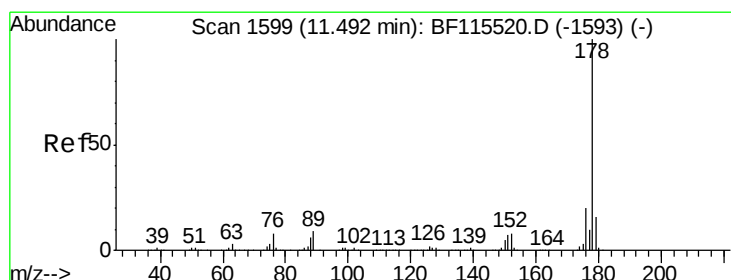
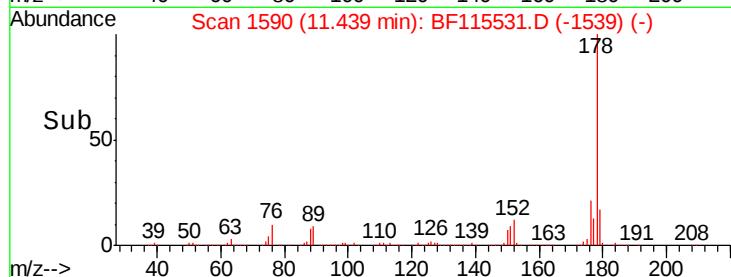
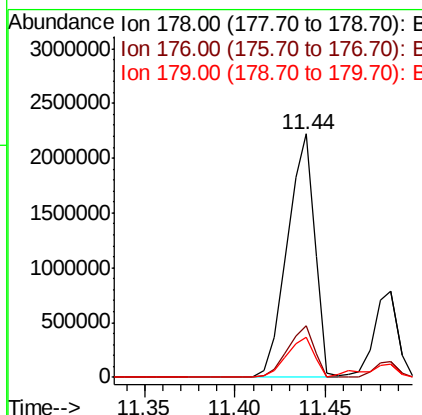
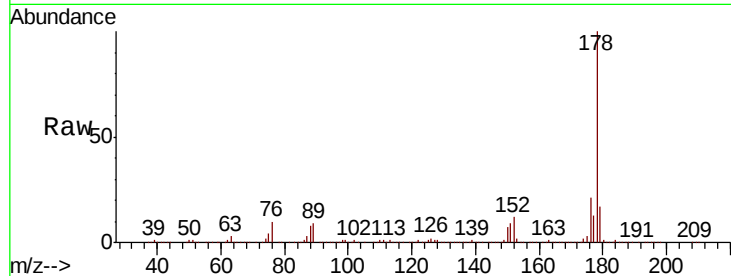
#71
Phenanthrene
Concen: 116.233 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.1	17.2	25.8
179	16.7	13.5	20.3

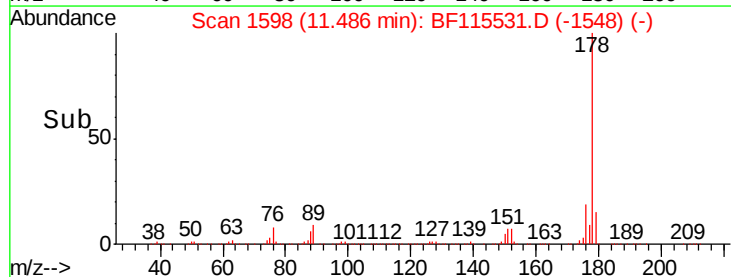
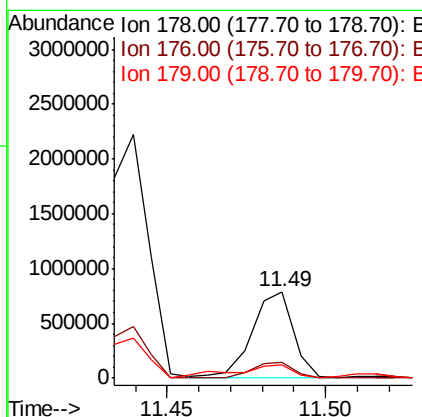
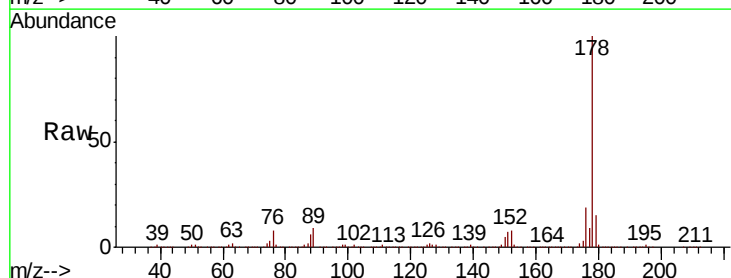
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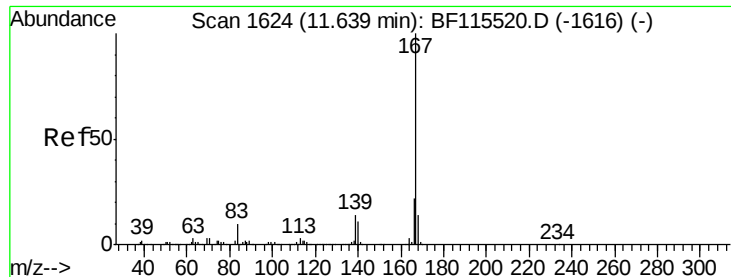
mohammad
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#72
Anthracene
Concen: 33.409 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	15.2	12.7	19.1





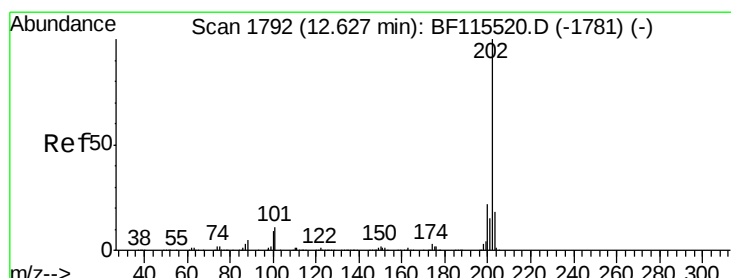
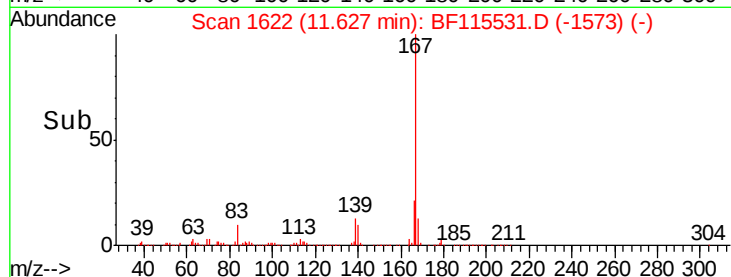
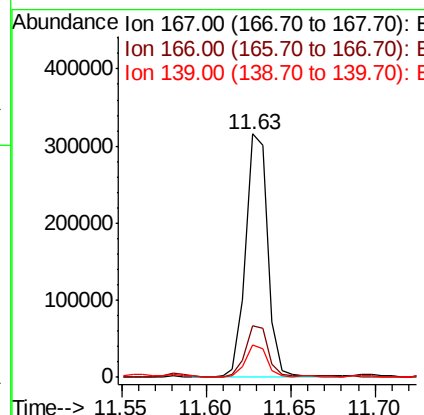
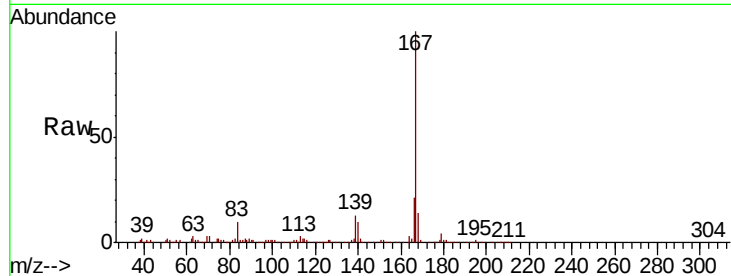
#73
 Carbazole
 Concen: 15.612 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF115531.D
 Acq: 12 Jul 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071119-A

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.1	27.1
139	13.3	11.3	16.9

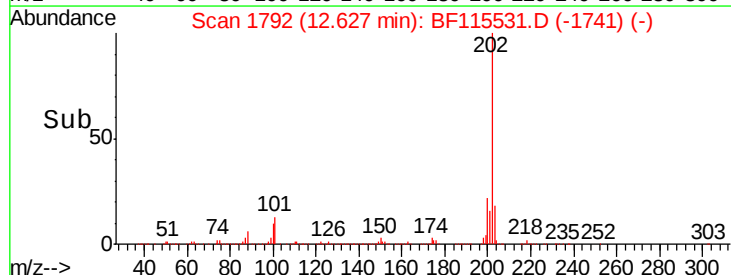
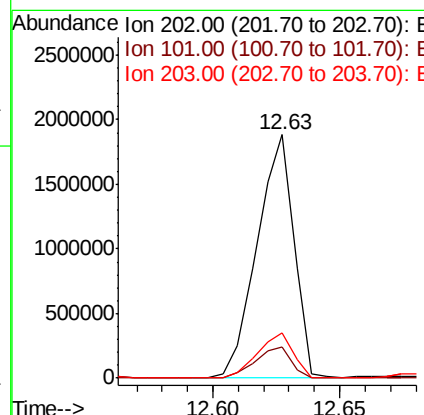
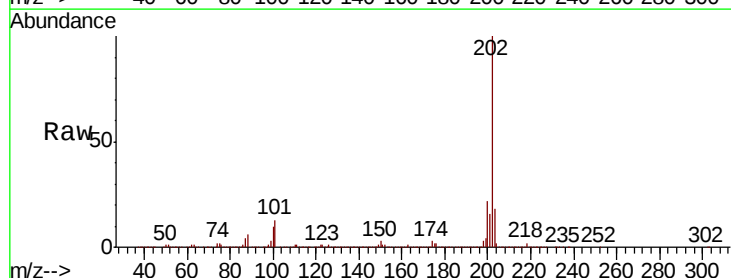
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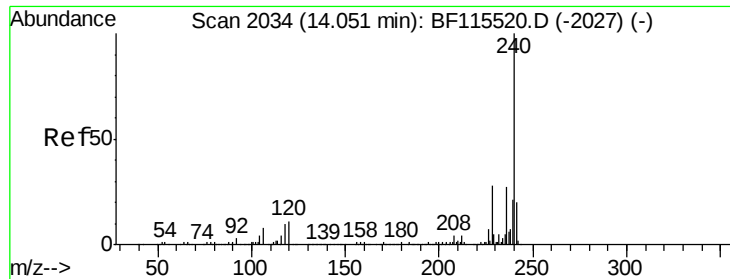
mohammad
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#75
 Fluoranthene
 Concen: 88.881 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: BF115531.D
 Acq: 12 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	31.4
203	18.4	0.0	38.1





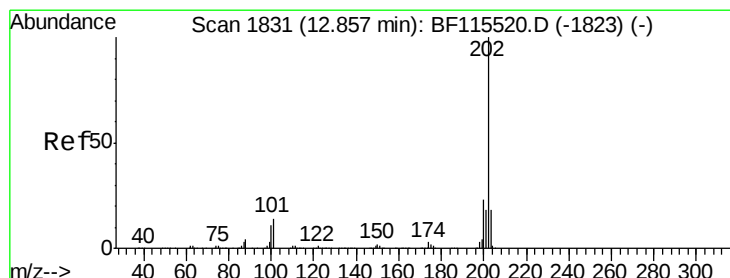
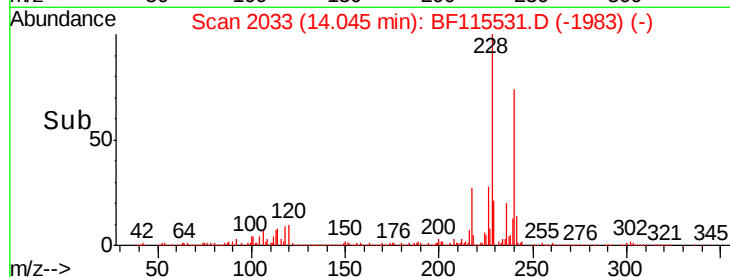
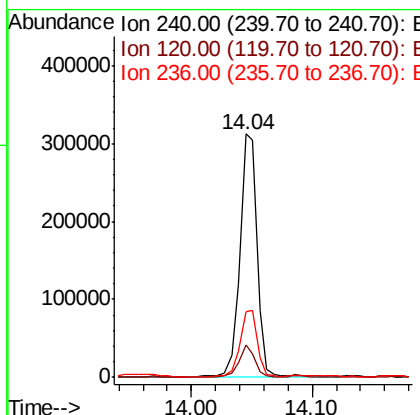
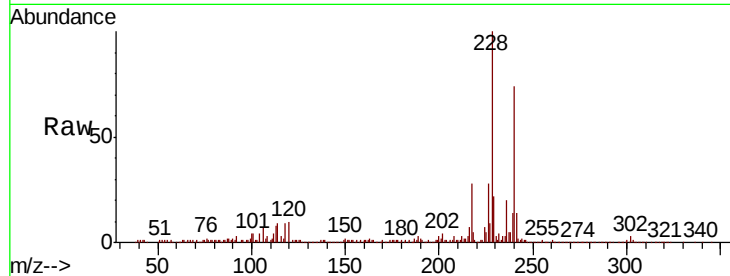
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	8.6	13.0#
236	27.1	21.3	31.9

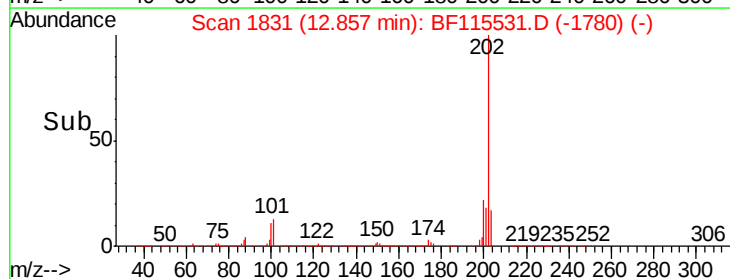
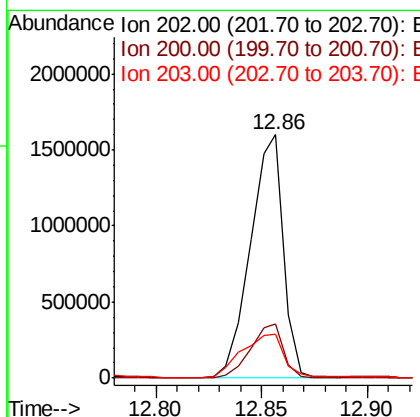
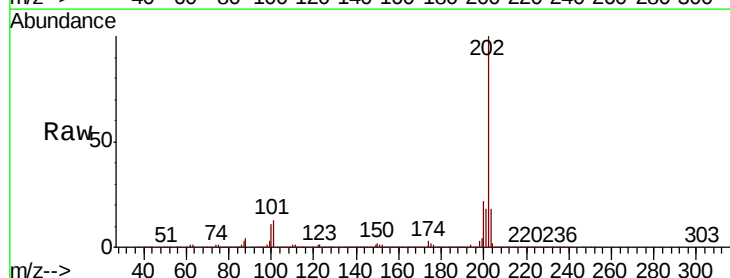
Manual Integrations
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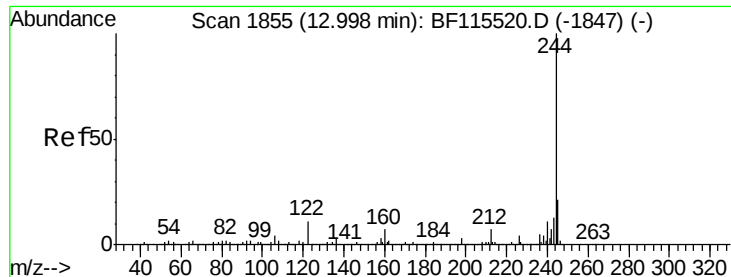
mohammad
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#78
Pyrene
Concen: 66.029 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	18.7	28.1
203	18.2	15.2	22.8





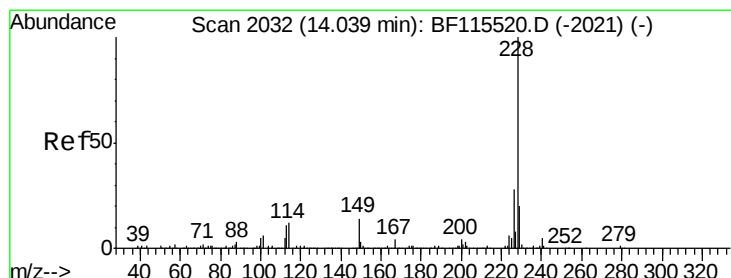
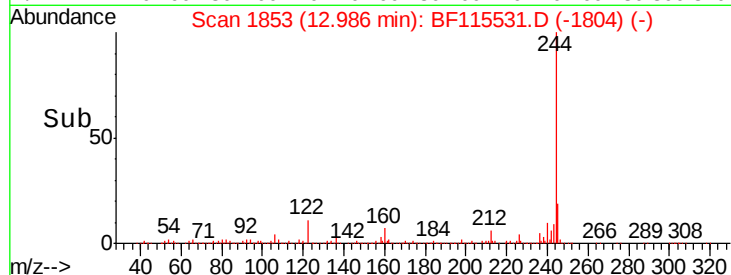
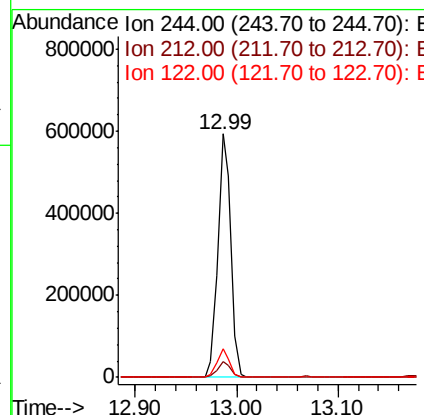
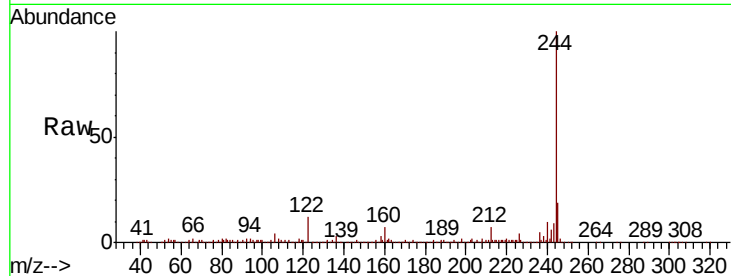
#79
 Terphenyl-d14
 Concen: 31.318 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF115531.D
 Acq: 12 Jul 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071119-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	11.5	8.6	12.8

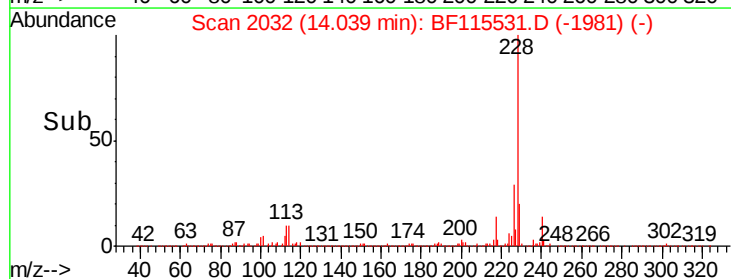
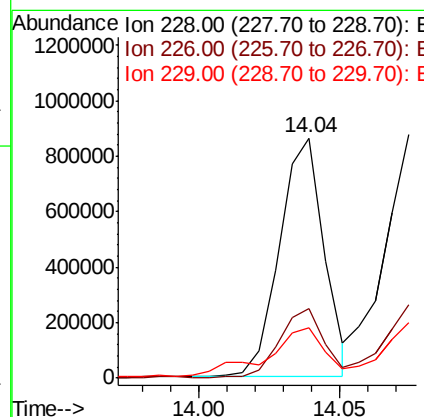
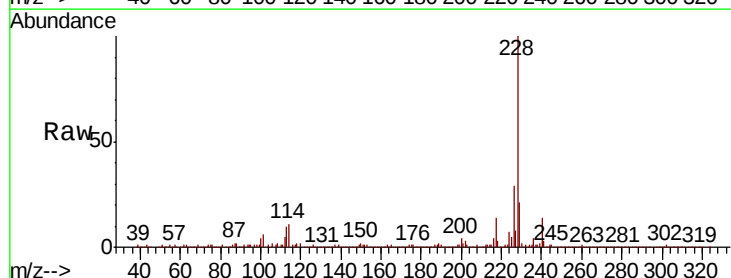
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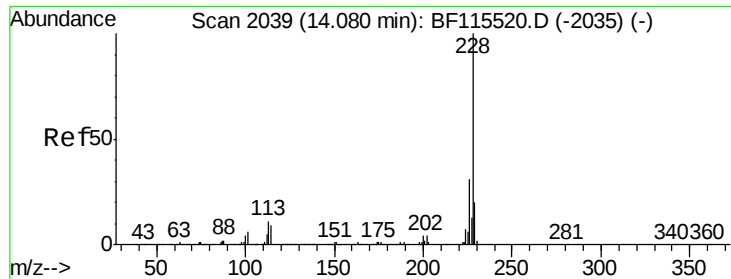
mohammad
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#81
 Benzo(a)anthracene
 Concen: 46.300 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. 0.00 min
 Lab File: BF115531.D
 Acq: 12 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.4	35.0
229	20.9	17.2	25.8





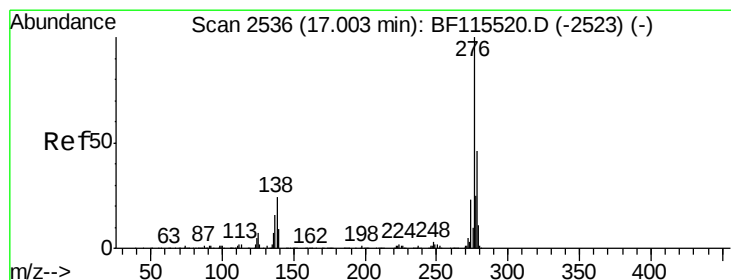
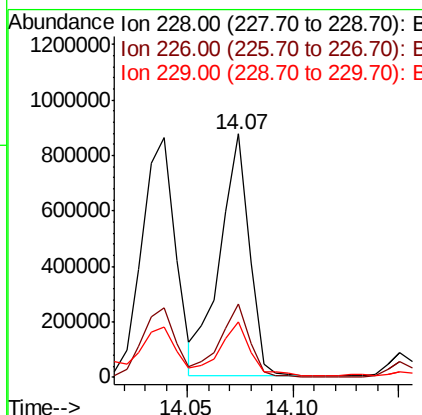
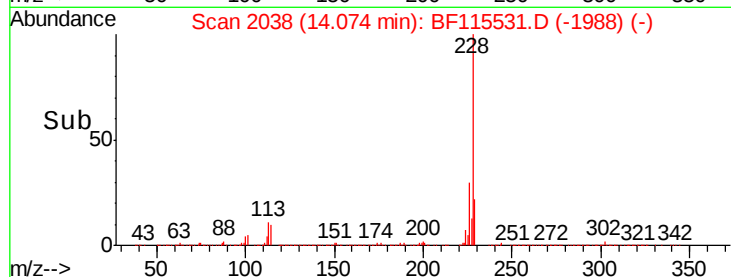
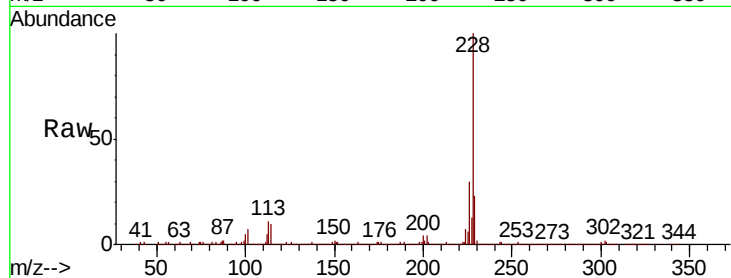
#83
Chrysene
Concen: 41.215 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.7	38.5
229	22.7	16.6	25.0

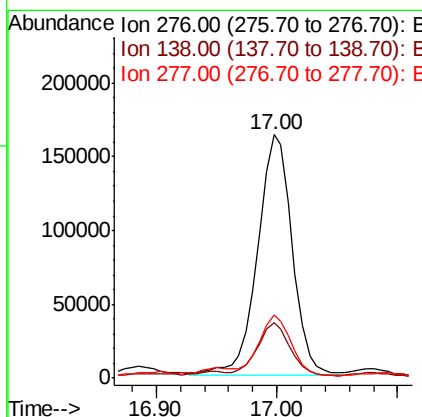
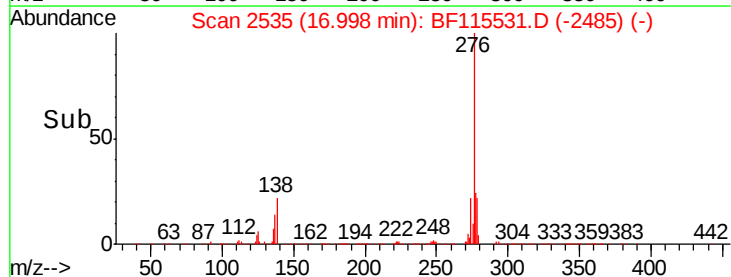
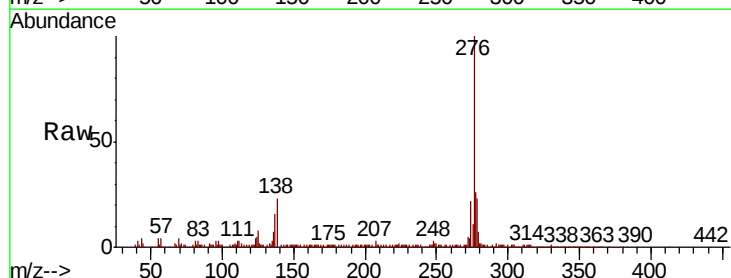
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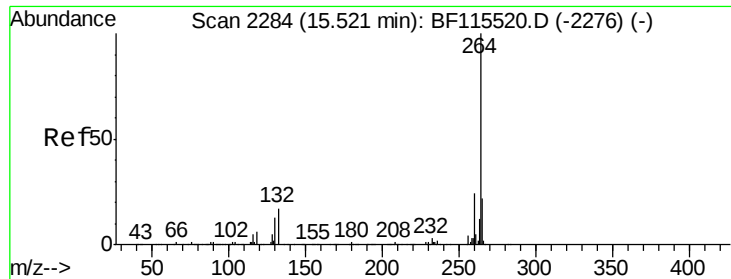
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 18.778 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.2	30.2
277	23.8	20.4	30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.00 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

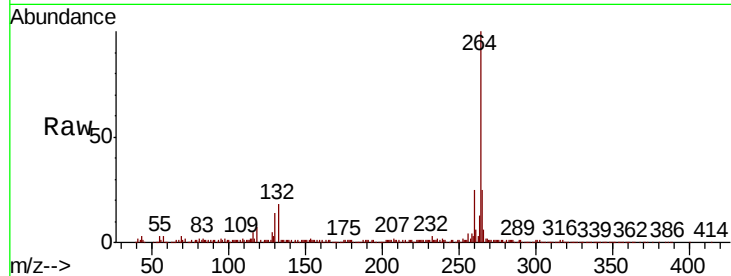
ClientSampleId :

SU-04-071119-A

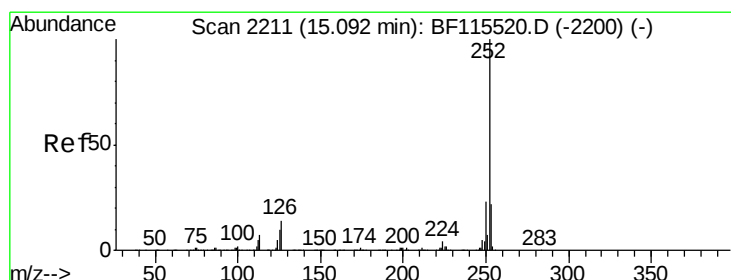
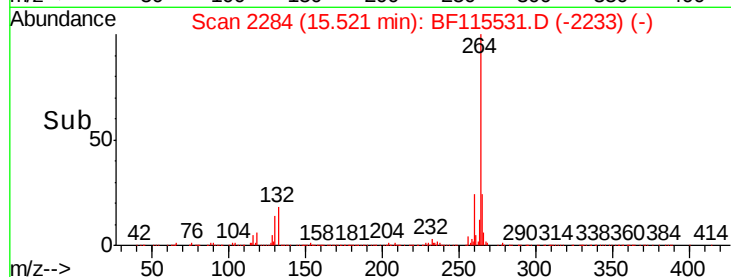
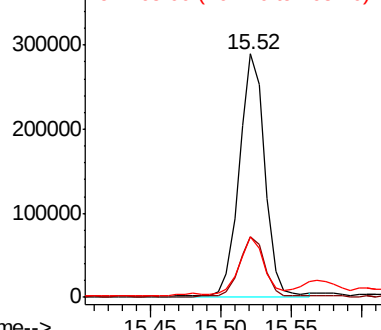
Tot Ion:	264	Resp:	367169
Ion Ratio		Lower	Upper
264	100		
260	24.9	19.8	29.8
265	24.7	17.7	26.5

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 40.619 ng m

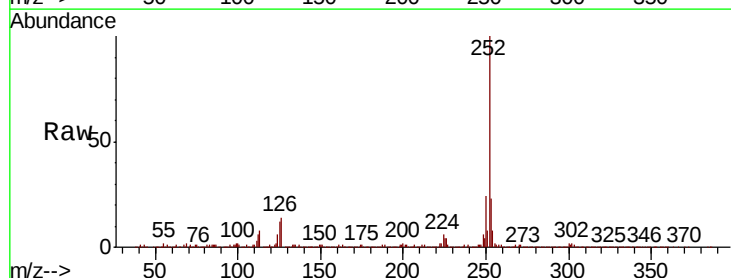
RT: 15.09 min Scan# 2211

Delta R.T. 0.00 min

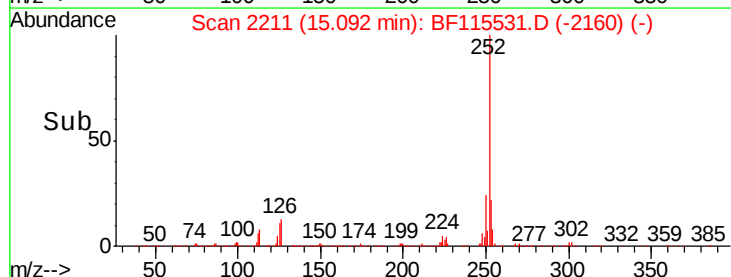
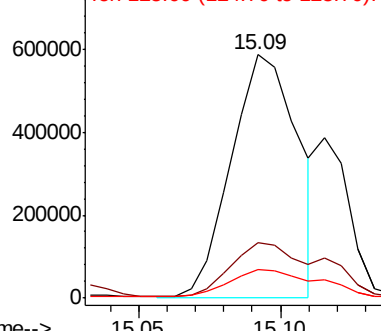
Lab File: BF115531.D

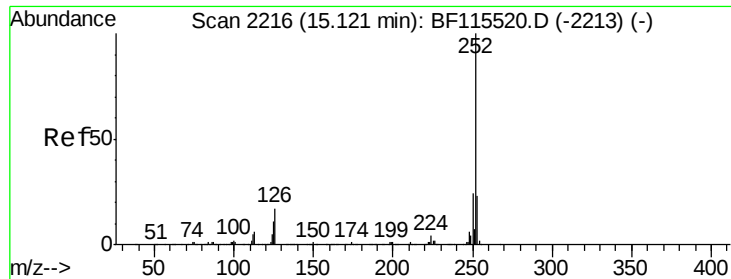
Acq: 12 Jul 2019 17:30

Tgt Ion:	252	Resp:	960332
Ion Ratio		Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.7	9.0	13.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 14.638 ng m

RT: 15.12 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Instrument :

BNA_F

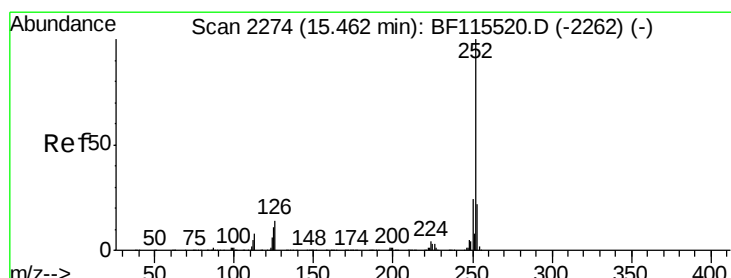
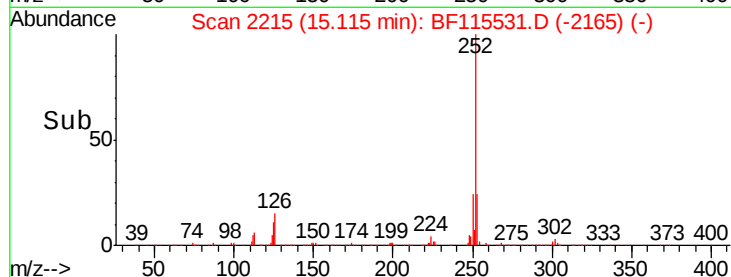
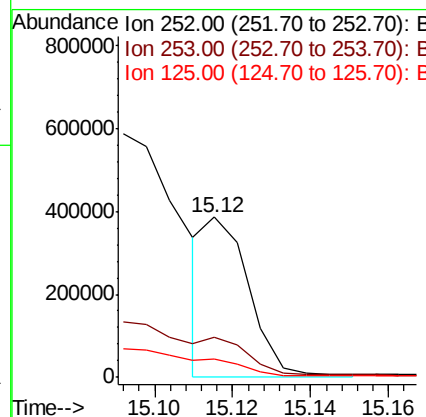
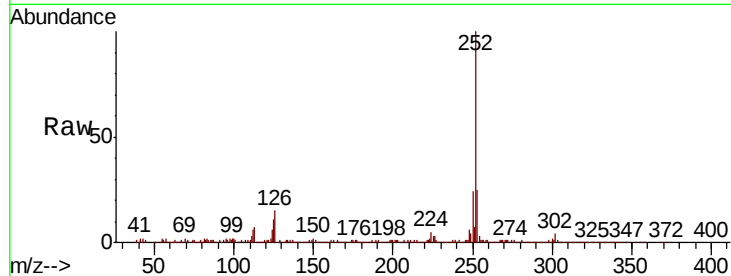
ClientSampleId :

SU-04-071119-A

Tot Ion:	252	Resp:	308559
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.6	28.0
125	11.5	9.0	13.6

Manual Integrations
APPROVED

mohammad
7/15/2019 2:57:28 PM



#90

Benzo(a)pyrene

Concen: 32.630 ng

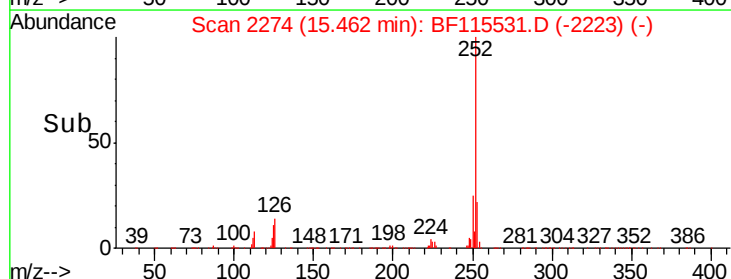
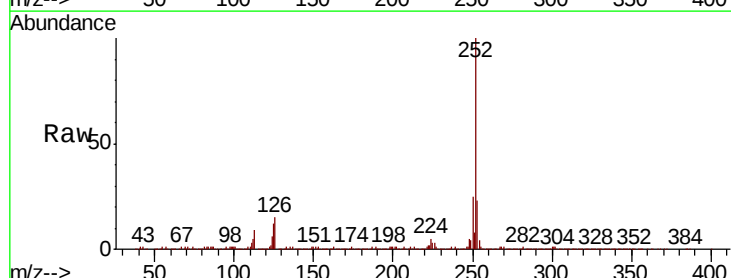
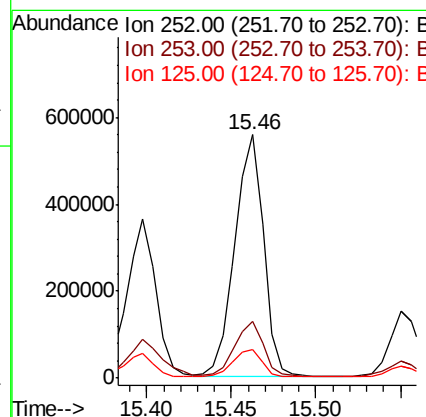
RT: 15.46 min Scan# 2274

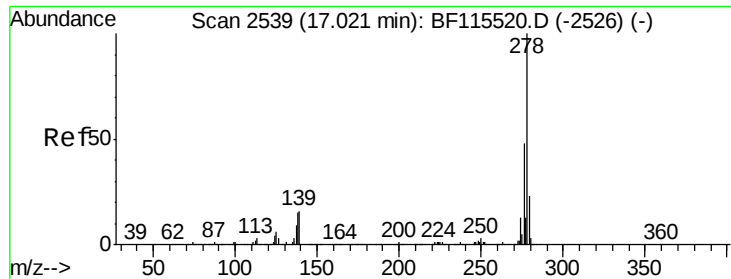
Delta R.T. 0.00 min

Lab File: BF115531.D

Acq: 12 Jul 2019 17:30

Tgt Ion:	252	Resp:	663072
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.6
125	11.6	9.1	13.7





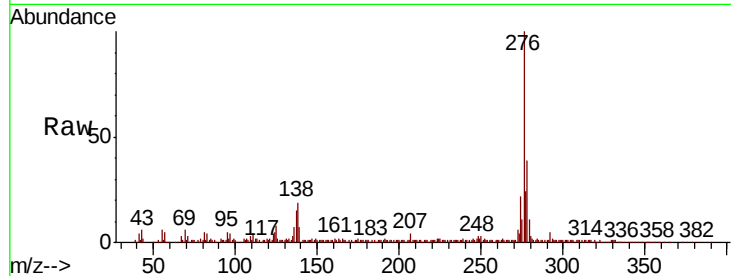
#91
Dibenzo(a,h)anthracene
Concen: 5.321 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-A

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.1	19.7
279	27.8	19.6	29.4

Manual Integrations
APPROVED

mohammad
7/15/2019 2:57:28 PM

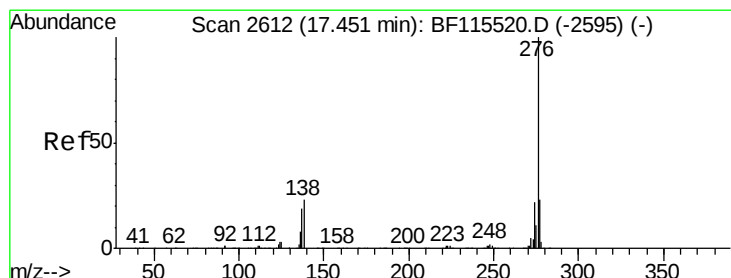
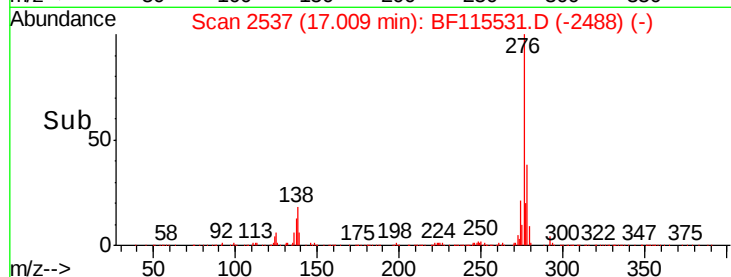
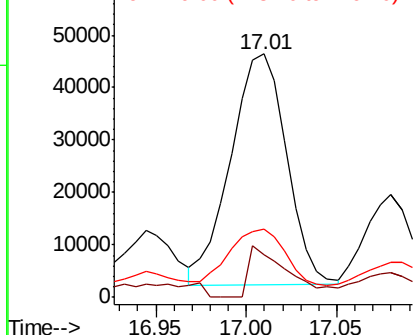


Abundance

Ion 278.00 (277.70 to 278.70): E

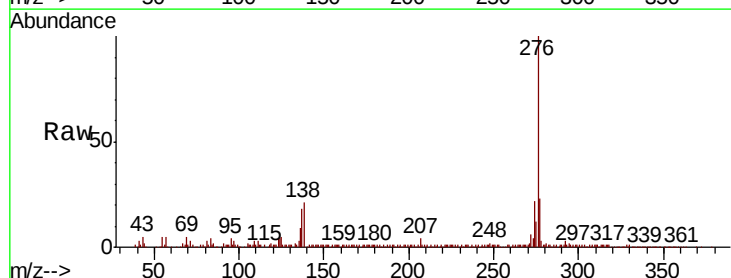
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 15.651 ng
RT: 17.44 min Scan# 2611
Delta R.T. -0.01 min
Lab File: BF115531.D
Acq: 12 Jul 2019 17:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.4
138	21.3	17.2	25.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

